



## SikaBond®-T52 FC

Solvent free elastic adhesive for wood flooring

### Product

#### Description

SikaBond®-T52 FC is a one component, solvent free, elastic adhesive.

#### Uses

*For Full Surface bonding:*

- Solid and engineered wood floors - (strips, longstrips, planks, panels, boards), mosaic parquet, industrial parquet, lam parquet, wood paving (residential) as well as chip boards can all be fully bonded

*Full Surface Bonding with SikaBond® Dispenser-5400:*

- Solid and engineered wood floors (strips, longstrips, planks, panels, boards), mosaic parquet, industrial parquet, lam parquet as well as chip boards can all be bonded. For detailed application instructions refer to the Product Data Sheet of the SikaBond® Dispenser-5400, or contact our Technical Service Department

*For the Sika® AcouBond®-System:*

- Solid wood boards (tongued and grooved), 3-ply engineered wood as well as chip boards can all be bonded

For detailed application instructions refer to the Product Data Sheet of the Sika® AcouBond®-System, or contact our Technical Service Department

*For Beaded Application:*

- Solid wood boards, 3-ply engineered wood as well as chip boards can be bonded
- Elastic Bonding of skirting boards / baseboards and door thresholds etc.

#### Characteristics / Advantages

- 1-component, ready to use
- Solvent free
- Fast curing properties
- Floor can be sanded after 12 hours (full surface bonding, +23°C / 50% r. h., up to 1 mm adhesive thickness)
- Excellent workability, very easy to extrude
- Good initial tack
- Odourless
- Elastic, footfall sound-dampening adhesive
- Suitable for most common types of wood floors
- Especially suitable for problematic woods including beech, maple and bamboo
- Suitable for bonding wood floors directly onto old ceramic tiles
- Reduces stress to the substrate: the elastic adhesive reduces stress transfer between the wood floor and the substrate
- Suitable for use with sub floor heating
- Compensates for some substrate unevenness
- Adhesive can be sanded

Construction



## Tests

<b>Approval / Standards</b>	EMICODE EC 1 "very low emission". GISCODE PU 10 "solvent free".
-----------------------------	--------------------------------------------------------------------

## Product Data

### Form

<b>Colour</b>	Parquet brown.
<b>Packaging</b>	600 ml sausages (20 sausages per box). 1800 ml sausages (6 sausages per box).

### Storage

<b>Storage Conditions / Shelf Life</b>	9 months from date of production if stored in undamaged, original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +10°C and +25°C.
----------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

### Technical Data

<b>Chemical Base</b>	1-part Polyurethane, moisture curing.
<b>Density</b>	~ 1.28 kg/l (DIN 53 479)
<b>Skimming- / Laying Time</b>	~ 60 minutes (+23°C / 50% r. h.)
<b>Curing Rate</b>	~ 4.0 mm / 24h (+23°C / 50% r. h.) <i>The floor may be walked on / sanded 12 hours to 24 hours after installation (+23°C / 50% r. h. up to 1 mm adhesive thickness dependent on climatic conditions and adhesive layer thickness).</i>
<b>Sag Flow</b>	Consistency: Spreads easily, trowel marks stable. Easily applied by guns.
<b>Service Temperature</b>	-40°C to +70°C

### Mechanical / Physical Properties

<b>Shear Strength</b>	~ 0.9 N/mm <sup>2</sup> , 1 mm adhesive thickness (+23°C / 50% r. h.) (DIN 281)
<b>Tensile Strength</b>	~ 1.0 N/mm <sup>2</sup> (+23°C / 50% r. h.) (DIN 53 504)
<b>Shore A Hardness</b>	~ 30 (after 28 days) (DIN 53 505)
<b>Elongation at Break</b>	~ 600% (+23°C / 50% r. h.) (DIN 53 504)

## System Information

---

### Application Details

---

<b>Consumption / Dosage</b>	<p>Sika® AcouBond-System: 500 - 600 g/m<sup>2</sup> (400 - 500 ml/m<sup>2</sup>). Filling of all cut outs is a must. Use triangular nozzle with 8 x 10 mm opening.</p> <p>Full Surface Bonding: 700 - 900 g/m<sup>2</sup> with notched trowel B3 (acc. to IVK guidelines) or 3/16" 1/8" 1/8" (engineered strips / planks, mosaic parquet etc.).</p> <p>800 - 1000 g/m<sup>2</sup> with notched trowel B11 (acc. to IVK guidelines), AP 48 or 3/16" 3/16" 3/16" (solid wood, engineered planks / panels, industrial parquet, wood paving (residential), chipboards etc.).</p> <p>For bonding of long or wide boards or on uneven substrates it may be necessary to use a notched trowel with bigger notches (to prevent hollow sections).</p> <p><b>Full Surface Bonding with SikaBond® Dispenser-5400:</b> <b>For full surface bonding with the SikaBond® Dispenser-5400 please refer to the Product Data Sheet for the SikaBond® Dispenser-5400.</b></p> <p>Beaded Application: ~ 44 ml per running meter = 250 - 500 g/m<sup>2</sup>, dependent on bead spacing (solid wood boards, 3-ply engineered wood, chipboards).</p> <p>For substrates primed with Sika® Primer MB, the consumption of SikaBond®-T52 FC is reduced.</p>
-----------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

---

<b>Substrate Quality</b>	<p>Clean and dry, homogeneous, even, free from grease, dust and loose particles. Paint, laitance and other poorly adhering particles must be removed.</p> <p>Standard construction rules must be observed.</p>
--------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

---

<b>Substrate Preparation</b>	<p>Concrete / cement screed: Must be ground and thoroughly cleaned with industrial vacuum cleaner.</p> <p>Anhydrite screed / Anhydrite flowable screed: Must be ground and thoroughly cleaned with industrial vacuum cleaner shortly before bonding starts.</p> <p>Broadcast mastic asphalt: Must be primed with Sika® Primer MB. Instructions for use, see Product Data Sheet for Sika Primer MB.</p> <p>Glazed ceramic and old ceramic tiles: Degrease, clean with SikaCleaner® or grind the tile surfaces and vacuum thoroughly.</p> <p>Wood- / gypsum boards (e.g. chipboards, plywood): Glue / screw the boards to the substructure. They must be fixed to the substrate. For floating sub floors, please contact our Technical Service Department.</p> <p>Other substrates: Please contact our Technical Service Department for advice and assistance.</p> <p>SikaBond®-T52 FC can be used without priming on cementitious floors, anhydrite floors, chipboards, concrete and ceramic tiles.</p> <p>For broadcast mastic asphalt, cementitious floors with an excessive moisture content and for use over old adhesive residues or on weak substrates use Sika® Primer MB. For detailed instructions consult the Product Data Sheet of Sika® Primer MB or contact our Technical Service Department.</p>
------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

---

## Application Conditions / Limitations

<b>Substrate Temperature</b>	During laying and until SikaBond®-T52 FC has fully cured the substrate and ambient temperatures should be > +15°C and with floor heating approx. +20°C. For substrate temperatures the standard construction rules are relevant.
<b>Ambient Temperature</b>	Ambient temperature between +15°C and +35°C. For ambient temperatures the standard construction rules are relevant.
<b>Substrate Humidity</b>	Permissible substrate moisture content: <ul style="list-style-type: none"><li>- 2.5% CM for cement screed (ca. 4% Tramex / Gravimetric weight percent).</li><li>- 0.5% CM for anhydrite screed.</li><li>- 3 - 12% CM for magnesite flooring (dependent on proportion of organic components).</li></ul> Permissible substrate moisture content for use with under floor heating: <ul style="list-style-type: none"><li>- 1.8% CM for cement screed (ca. 3% Tramex / Gravimetric weight percent).</li><li>- 0.3% CM for anhydrite screed.</li><li>- 3 - 12% CM for magnesite flooring (dependent on the proportion of organic components).</li></ul> For moisture contents and the quality of substrates the guidelines of the wood floor manufacturer as well as standard construction rules must be observed.
<b>Relative Air Humidity</b>	Between 40% and 70%.

## Application Instructions

<b>Application Method / Tools</b>	<p>Sika® AcouBond®-System: For detailed application instructions refer to the Product Data Sheet of the Sika® AcouBond®-System, or contact our Technical Service Department.</p> <p>Full Surface Bonding: SikaBond®-T52 FC is applied to the prepared substrate directly from the pail and uniformly distributed by notched trowel. Press the wood floor pieces firmly into the adhesive so that the underside is fully wetted. The pieces can then be joined together using a hammer and an impact block. Many types of wood floors have to be tapped from the top. A distance of 10 - 15 mm from the wall to the wood floor must be maintained.</p> <p>Full Surface Bonding with SikaBond® Dispenser-5400: SikaBond®-T52 FC is applied to the prepared substrate directly from the SikaBond® Dispenser-5400. Press the wood floor pieces firmly into the adhesive so that the underside is fully wetted. The pieces can then be joined together using a hammer and an impact block. Many types of wood floors have to be tapped from the top. A distance of 10 - 15 mm from the wall to the wood floor must be maintained. For detailed application instructions refer to the Product Data Sheet for the SikaBond® Dispenser-5400, or contact our Technical Service Department.</p> <p>Beaded Application: After inserting the sausage into the gun, extrude a triangular shaped bead of adhesive approximately 10 mm high and 8 mm wide at 100 - 250 mm centres (dependent on wood floor type) on the prepared sub floor. Press the wood pieces firmly into the adhesive (at right angles to the adhesive beads). The elements can then be joined together using a hammer and an impact block. The required distance from the wall to the wood floor in the laying instructions from the wood floor manufacturer must be maintained.</p> <p>Fresh, uncured adhesive remaining on the wood floor surface must be removed immediately with a clean cloth and if necessary cleaned with Sika® Remover-208 or Sika® TopClean-T. Test wood floor surface finishes (varnish / coating) for compatibility with Sika® Cleaner-208 before use.</p> <p>Note: The laying instructions of the wood floor manufacturer must be observed.</p>
-----------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Cleaning of Tools</b>	Clean all tools and application equipment with Sika® Remover-208 immediately after use. Hardened / cured material can only be removed mechanically.
<b>Notes on Application / Limitations</b>	<p>SikaBond®-T52 FC should only be used by suitably experienced and trained contractors.</p> <p>For better workability the adhesive temperature must be at least +15°C. For the correct curing of the adhesive sufficient ambient moisture is necessary.</p> <p>For the Sika® AcouBond-System, Beaded Application, Accurate tongued and grooved floors, the following limitations apply:</p> <p>Minimum wood size:           length over 3 adhesive beads                                          width &gt; 50 mm                                          thickness &gt; 12 mm</p> <p>Maximum wood size:           thickness &lt; 28 mm</p> <p>Wood floors in non insulated areas such as basements, or other areas without a damp proof membrane, must only be installed after the application of Sikafloor® EpoCem sealed with Sika® Primer MB to control the moisture. For detailed instructions refer to the Product Data Sheets or contact our Technical Service Department.</p> <p>For use with chemically pre-treated types of wood floors (e.g. with ammonia, wood stain, timber preservative) and woods with high oil content SikaBond®-T52 FC is only to be used with written agreement from our Technical Service Department.</p> <p>Do not use on PE, PP, TEFLON, and certain plasticized synthetic materials (carry out pre-trials or contact our Technical Service Department).</p> <p>Some primers can negatively influence the adhesion of SikaBond®-T52 FC (pre trials recommended).</p>
<b>Notes</b>	All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
<b>Local Restrictions</b>	Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.
<b>Health and Safety Information</b>	
<b>Protective Measures</b>	<p>To avoid allergic reactions, we recommend the use of protective gloves. Change soiled work clothes and wash hands before breaks and after finishing work.</p> <p>Local regulations as well as health and safety advice on packaging labels must be observed.</p>
<b>Ecology</b>	Refer to Material Safety Data Sheet.
<b>Transportation Class</b>	Refer to Material Safety Data Sheet.
<b>Important Notes</b>	<p>Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.</p> <p>Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the material safety data sheet.</p>
<b>Toxicity</b>	Refer to Material Safety Data Sheet.

## Legal Notes

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



Sika Limited  
Watchmead  
Welwyn Garden City  
Hertfordshire  
AL7 1BQ  
United Kingdom

Phone +44 1707 394444  
Telefax +44 1707 329129  
[www.sika.co.uk](http://www.sika.co.uk), email: [sales@uk.sika.com](mailto:sales@uk.sika.com)



ISO 14001 ISO 9001